

In the Specification:

Please replace the paragraph starting on page 9, line 29 and ending on page 10, line 3, with the following substitute paragraph:

Node A 1 has a total send/receive capacity of 50 megabits per second (Mbit/s) and has registered that it sinks 30 Mbit/s from node B 2 and sends 5 Mbit/s to node C 3. Node B 2 has a total send/receive capacity of 60 Mbit/s and has registered that it sends 30 Mbit/s to node A 1. Node C 3 has a total send capacity of 20 Mbit/s and a total receive capacity of ~~10 Mbit/s~~ 25Mbit/s and has registered that it sinks 5 Mbit/s from node A 1.

Please replace the paragraph found on page 15, lines 5-22, with the following substitute paragraph:

In case only one bus traffic list is available in the network, then only the device storing the bus traffic list has to update this list, i. e. the resource manager 4 or the node B 2 would respectively be able to update the stored bus traffic lists without any additional communication. In case of the exemplary descriptive embodiment, the bus traffic list is stored in every node connected to the network, as it is shown in FIG. 2. Therefore, the bus traffic list has to be updated in every place where it is stored. This updating operation need not be performed in the same predefined order of the node numbers, as described above, since no deadlock is possible. Next, the node B 2 informs node A 1 in a step A7 that a communication of 20 Mbit/s is performed in step A8 from node B 2 to node C 3 at a speed of 100 Mbit/s, whereafter node A 1 enters to its bus

traffic list in step A9 that 1260 bandwidth allocation units, corresponding to 20 Mbit/s of data, are reserved for a communication from node B 2 to node C 3 at a speed of 100 Mbit/s. In the step A11, node C 3 is informed of the new communication in the same way as node A 1, and updates its bus traffic lists as node A 1 has previously done. Node B 2 also enters this entry to its own stored bus traffic list in step A10, as the other nodes have done.

Please replace the paragraph found on page 31, lines 1-19, with the following substitute paragraph:

In step G6, the third controller 10 sends a reserve command to the tuner 8 to become its first or secondary controller. As this is not possible, in step G7, the tuner 8 distributes a warning to the third controller 10 via the resource manager 7 that its primary controller is already the first controller 6 and its secondary controller is already the second controller 9. Then, the third controller 10 gives a user feedback showing this message in step G8. In step G9, the third controller 10 receives a pre-emption instruction, and then it sends a pre-empt command to the resource manager 7 in step G10 to indicate that third controller 10 will take over the control of the tuner 8. The resource manager 7 sends a message to the second controller 9 in step G11 that it was pre-empted by the third controller 10 in regard to the secondary control of the tuner 8, whereafter the second controller 9 presents a user feedback in step G12. The resource manager 7 also sends a message to the first controller 6 in step G13 that it was pre-empted in regard to the primary control of the tuner 8 by the third controller 10, whereafter the first controller 6 presents a user feedback in step G14 to indicate this message. Finally, the resource manager 7 sends a message to the third controller 10 that the third controller 10 is now the primary controller of the tuner 8.

Please replace the paragraph found on page 15, lines 24-31, with the following substitute paragraph:

Referring now to FIG. 4, a diagram of a conflict at plug allocation while setting up a new connection is shown, in accordance with one embodiment of the present invention. In the FIG. 4 embodiment, another network is shown having a node A 1 with node number 0, a node B 2 with node number 1 and a node C 3 with node number 2 that are each connected via a bus system 5, and that function according to the present invention. Additionally, a ~~resource manager 4~~ resource manager (not shown) is also connected to said bus 5.